

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The unit of resistance is:	<p>A. Ω</p> <p>B. Ωm</p> <p>C. $\Omega^{sup>-1</sup>m^{sup>-1</sup>}$</p> <p>D. $\Omega m^{sup>-1</sup>}$</p>
2	A wire stretched to double of its length, its strain is:	<p>A. 2</p> <p>B. 1</p> <p>C. 0</p> <p>D. 0.5</p>
3	What is the resistance of carbon resistor which has band brown black brown.	<p>A. 100 Ohm</p> <p>B. 1000 Ohm</p> <p>C. 10 Ohm</p> <p>D. 1.0 Ohm</p>
4	The most useful tracer is.	<p>A. Strontium -90</p> <p>B. Iodine -31</p> <p>C. Cobalt -60</p> <p>D. Carbon -14</p>
5	Power dissipation in A.C circuit is expressed as:	<p>A. $P = I_{rms} \times V_{rms} \sin\theta$</p> <p>B. $I V \cos\theta$</p> <p>C. $I_{rms} \times V_{rms} \cos\theta$</p> <p>D. $I_{rms} \times V_{rms} \sin 2\theta$</p>
6	The unit of impedance is.	<p>A. Henry</p> <p>B. Hertz</p> <p>C. Ampere</p> <p>D. Ohm</p>
7	In full wave rectification number of diodes required are equal to.	<p>A. 2</p> <p>B. 3</p> <p>C. 4</p> <p>D. 5</p>
8	Gamma rays from cobalt -60 are used for treatment of.	<p>A. Circulation of blood</p> <p>B. Cancer</p> <p>C. Heart Attack</p> <p>D. Thyroid glands</p>
9	The first spectral lines were discovered in 1885, were	<p>A. Paschen series</p> <p>B. Balmer series</p> <p>C. Pfund series</p> <p>D. Bracket series</p>
10	Resistance of choke is	<p>A. zero</p> <p>B. Large</p> <p>C. Very small</p> <p>D. Infinite</p>
11	The quantity/factor h/m_0c has the dimensions of.	<p>A. Length</p> <p>B. Time</p> <p>C. Mass</p> <p>D. Energy</p>
12	A substance having the negative temperature coefficient of resistivity out of the following is.	<p>A. Carbon</p> <p>B. Iron</p> <p>C. Tungsten</p> <p>D. Gold</p>
13	Photodiode is used for:	<p>A. Detection of current</p> <p>B. Detection of heat</p> <p>C. Detection of light</p> <p>D. Both a & b</p>
14	Drift velocity of electrons is.	<p>A. $10^{sup>-1</sup>}$ m/s</p> <p>B. $10^{sup>-2</sup>}$ m/s</p> <p>C. $10^{sup>-3</sup>}$ m/s</p> <p>D. $10^{sup>3</sup>}$ m/s</p>
		<p>A. Small</p>

15	At high frequency, the current through a capacitor is	B. Infinity C. Zero D. Large
16	The phase angle of a series RLC circuit at resonant frequency is	A. $1/2$ B. σ C. Zero D. $\sigma/4$
17	In according with Bohr's theory the K.E of the electron is equal to:	A. $\frac{ke^2}{2r}$ B. $\frac{Ze^2}{r}$ C. $\frac{Ze^2}{r^2}$ D. $\frac{Ze^2}{2r^2}$
18	Which particle has larger range in air.	A. Alpha rays B. Gama rays C. Beta rays D. Neutron
19	A diode characteristics curve is a plot between	A. Current and resistance B. Voltage and time C. Voltage and current D. Current and time
20	Which pair belongs to hadrons.	A. Protons and Neutrons B. Neutrons and electrons C. Photons and electrons D. positrons and electrons